

Figure 1

FIG. 3C is a schematic diagram of a system for image processing. The system includes a design geometry 324, a captured image 322, an area of interest 321, and a composite image 323. The design geometry 324 is a rectangular area defined by dimensions D1 and D2. The captured image 322 is a rectangular area defined by dimensions D1 and D2. The area of interest 321 is a rectangular area defined by dimensions D1 and D2. The composite image 323 is a rectangular area defined by dimensions D1 and D2.

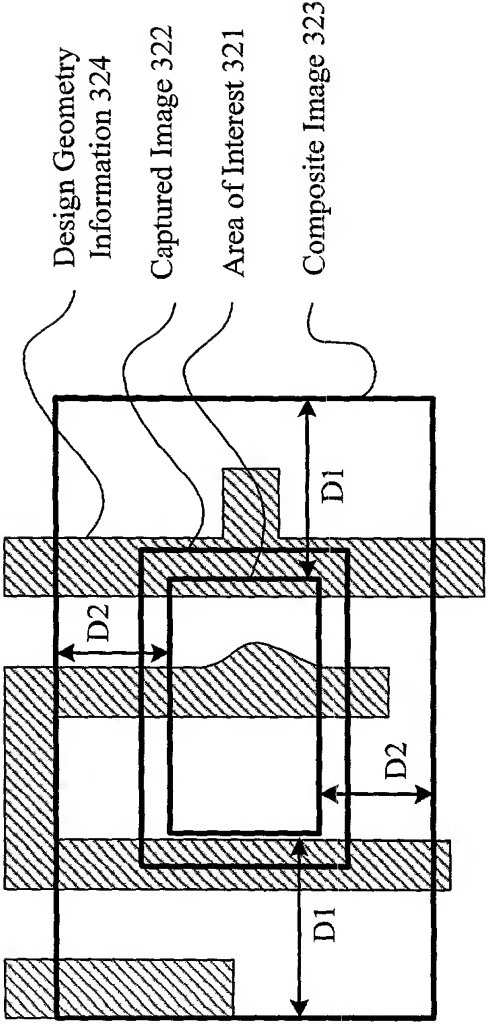


Figure 3C

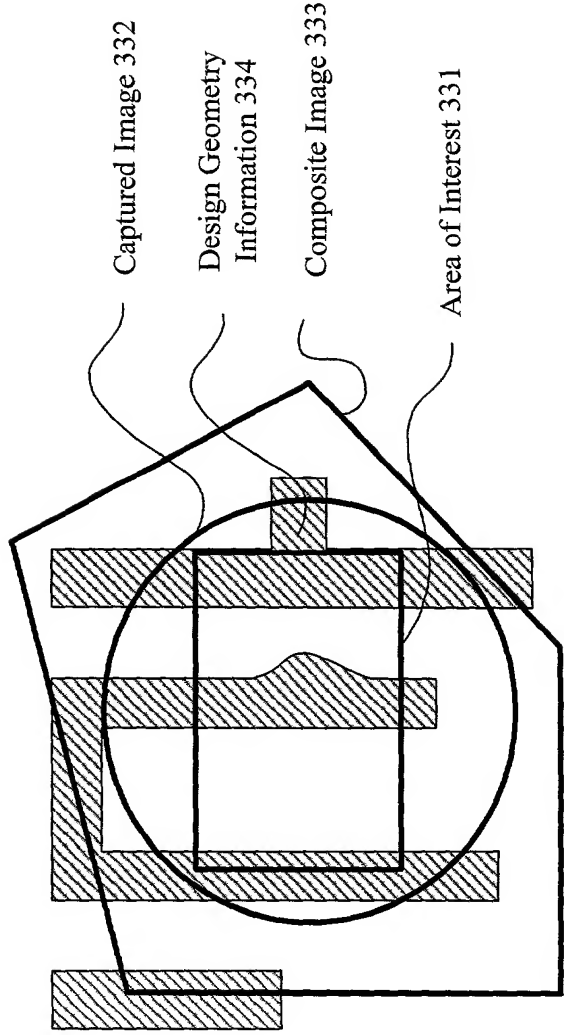


Figure 3D

FIG. 3E is a schematic diagram of a design geometry 344, a captured image 342, an area of interest 341, and a composite image 343. The design geometry 344 is a cross-sectional view of a mechanical part, showing a central rectangular feature with a smaller rectangular feature on top. The captured image 342 is a grayscale image of the design geometry 344. The area of interest 341 is a rectangular region within the captured image 342, defined by a dashed line. The composite image 343 is a grayscale image of the design geometry 344, showing the area of interest 341 as a darker region. The dimensions D1 and D2 are indicated by arrows.

Design Geometry
Information 344

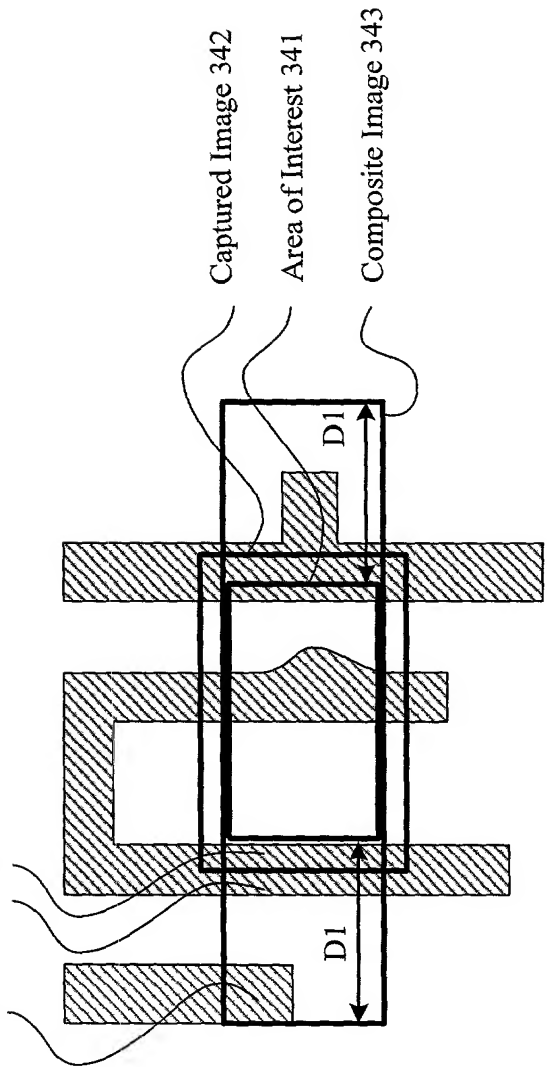
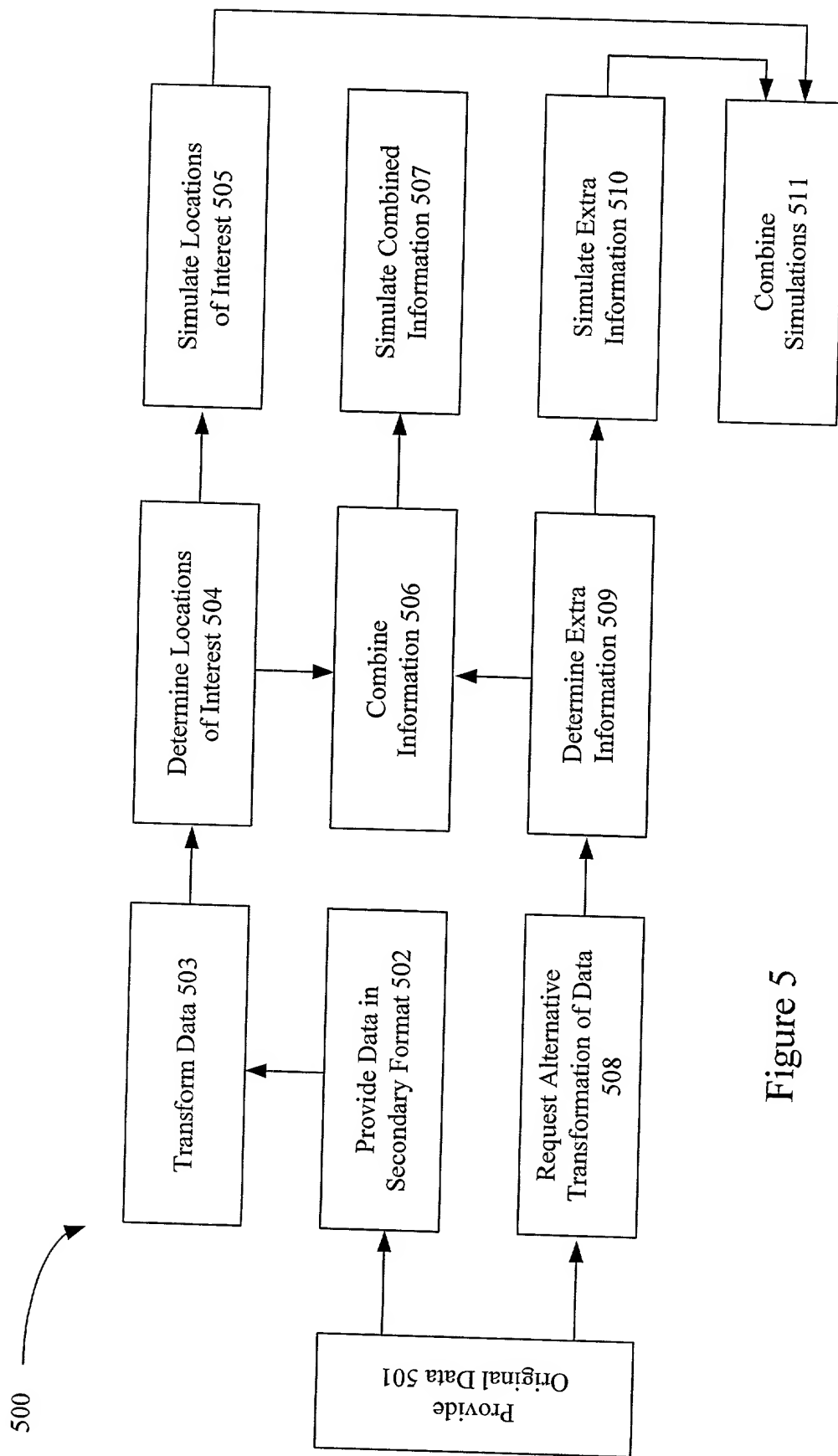


Figure 3E



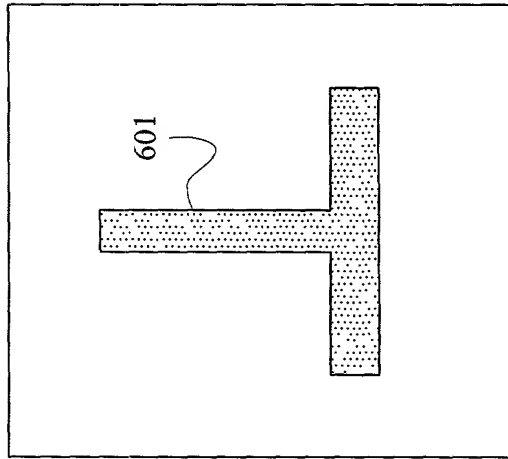


Figure 6A

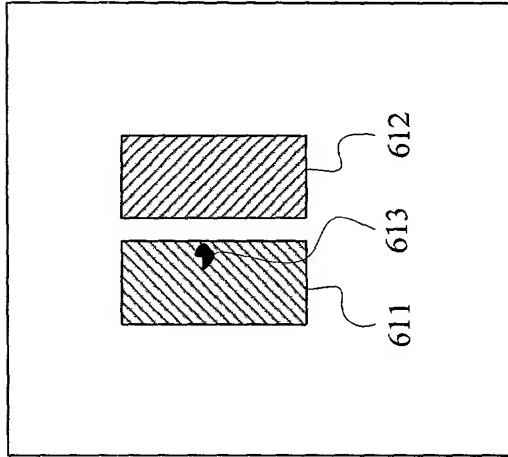


Figure 6B

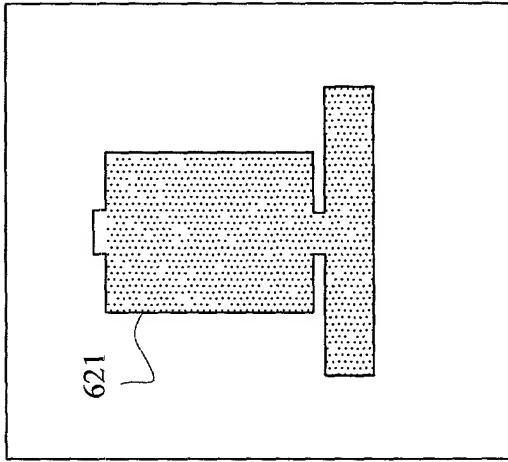


Figure 6C